

SOUTH DAKOTA



PROGRAM COMPONENTS **SUMMER INSTITUTE 2006**

Foundations Class Outcomes:

- Participants will have an increased understanding of:
 - The role of a teacher leader within SD Counts
 - The 3-year vision for SD Counts
 - The 5 Strands of mathematical proficiency, including specific classroom applications and the supporting research
 - NCTM's Principles and Standards, including specific classroom applications and the supporting research
 - The 5 Dimensions and Core Features of Classrooms that promote understanding, including specific classroom applications and the supporting research
- Participants will have an introduction to students' thinking about number sense and algebra.
- Participants will explore issues in assessment, including alternative assessment.
- Participants will work together to become a support network.
- Participants will share ideas about how to get started in their work.

List of Materials

(to be provided for the \$125 materials allowance)

Children's Mathematics

Making Sense

Adding it Up

Principles and Standards (brochure)

Mathematics Assessment Sampler, Grades 3-5

Five Content Sessions

- Strands of Mathematical Proficiency
- Introduction to Cognitively Guided Instruction and Children's Mathematical Thinking
- NCTM Principles and Standards
- Relearning to Teach Arithmetic
- 5 Dimensions and Core Features of Classrooms that Promote Understanding